



PATENT  
Attorney Docket No. 47233-0045

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
Motoo SUMIDA et al. ) **Examiner:** Not Yet Assigned  
)  
Application No.: 10/511,829 ) **Group Art Unit:** 1623  
)  
Filed: October 20, 2004 ) **Confirmation No.:** 8556  
)  
Title: ASTAXANTHIN MEDIUM-CHAIN FATTY )  
ACID ESTER, PRODUCTION METHOD OF )  
THE SAME, AND COMPOSITION )  
COMPRISING THE SAME )

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE UNDER 37 CFR 1.97(b)**

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached, if required.

No fee or certification is required in connection with this Information Disclosure, since it is being submitted prior to the last of 1) issuance of a first Office Action on the merits, or 2) expiration of the three-month period following filing of the above-identified application.


It is respectfully requested that the information be considered by the Examiner and that a copy of the attached Form PTO-1449 be returned indicating that such information has been considered.

In the event any fees are required in connection with this paper, please charge Deposit Account No. 50-0573. A copy of this document is enclosed.

Applicants' undersigned attorney may be reached by telephone at (202)  
842.8802. All correspondence should be directed to the below-listed address.

Respectfully submitted,

Date: January 30, 2006

  
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Sheet 1 of 1

Form PTO-1449

U.S. Department of Commerce

Date Filed: January 30, 2006



DOCKET NO. 47233-0045

APPLN. NO. 10/511,829

APPLICANT: Motoo SUMIDA et al.

FILING DATE: October 20, 2004

GROUP 1623

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if appropriate

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, etc.)

		Kamata, Tadashi et al, Study of Astaxanthin Diester Extracted From Adonis Aestivalis, Comp. Biochem. Physiol., Vol 86B, No. 3, 1987, pp 587-591.

Examiner Signature:

Date Considered:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).  
PTO-1449.doc